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Claim Amendments

A listing of the claims, including Claims 16, 24, 36, 37, 52, 58, 76, 77, 82, 87-96 and 104 as currently canceled and new Claims 117-135 as added, is set forth below.

1-116. (Canceled)

117. (New) A method of

(a) determining whether a patient with B cell chronic lymphocytic leukemia (B-CLL) has a form of B-CLL susceptible to treatment directed to eliminating idioype-specific B cell receptor-bearing B-CLL cells, or

(b) following the progression of treatment of B-CLL in a patient having a form of B-CLL susceptible to treatment directed to eliminating idioype-specific B cell receptor-bearing B-CLL cells,

the method comprising determining whether the B cell receptors on the B-CLL cells are encoded by antibody genes comprising a light chain antibody gene and a heavy chain antibody gene, wherein the light chain antibody gene and the heavy chain antibody gene are selected from the group consisting of V_H4-39/D6-13/J_H5/V_LκO12/2/J_Lκ1/κ2 (Set I), V_H4-34/D5-5/J_H6/V_LκA17/J_Lκ1/κ2 (Set II), V_H3-21/J_H6/V_Lλ3h/J_Lλ3 (Set III), V_H1-69/D3-16/J_H3/V_LκA27/J_Lκ1/κ4 (Set IV), V_H1-69/D3-10/J_H6/V_Lλ1c/J_Lλ1 (Set V), V_H1-02/D6-19/J_H4/V_LκO12/2/J_Lκ1/κ2 (Set VIa), V_H1-03/D6-19/J_H4/V_LκO12/2/J_Lκ1/κ2 (Set VIb), V_H1-18/D6-19/J_H4/V_LκO12/2/J_Lκ1 (Set VIc), V_H1-46/D6-19/J_H4 (Set VID), V_H5-51/D6-19/J_H4/V_LκO12/2/J_Lκ2 (Set VIe), V_H1-69/D3-3/J_H4/V_LκA19/J_Lκ4 (Set VII), and V_H1-69/D2-2/J_H6/V_LκL6/2/J_Lκ3 (Set VIII), wherein if the B cell receptors on the B-CLL cells have an idioype encoded by the antibody genes, the patient has a form of B-CLL susceptible to the treatment or the treatment of the patient has not eliminated the B-CLL cells.

118. (New) The method of claim 117, for determining whether a patient with B cell chronic lymphocytic leukemia (B-CLL) has a form of B-CLL susceptible to treatment directed to eliminating idioype-specific B cell receptor-bearing B-CLL cells.

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119. (New) The method of claim 117, for following the progression of treatment of B-CLL in a patient having a form of B-CLL susceptible to treatment directed to eliminating idiotype-specific B cell receptor-bearing B-CLL cells.

120. (New) The method of claim 117, wherein the light chain antibody gene and the heavy chain antibody gene is V_H4-39/D6-13/J_H5/V_LκO12/2/J_Lκ1/κ2 (Set I).

121. (New) The method of claim 117, wherein the light chain antibody gene and the heavy chain antibody gene is V_H4-34/D5-5/J_H6/V_LκA17/J_Lκ1/κ2 (Set II).

122. (New) The method of claim 117, wherein the light chain antibody gene and the heavy chain antibody gene is V_H3-21/J_H6/V_Lλ3h/J_Lλ3 (Set III).

123. (New) The method of claim 117, wherein the light chain antibody gene and the heavy chain antibody gene is V_H1-69/D3-16/J_H3/V_LκA27/J_Lκ1/κ4 (Set IV).

124. (New) The method of claim 117, wherein the light chain antibody gene and the heavy chain antibody gene is V_H1-69/D3-10/J_H6/V_Lλ1c/J_Lλ1 (Set V).

125. (New) The method of claim 117, wherein the light chain antibody gene and the heavy chain antibody gene is V_H1-02/D6-19/J_H4/V_LκO12/2/J_Lκ1/κ2 (Set VIa).

126. (New) The method of claim 117, wherein the light chain antibody gene and the heavy chain antibody gene is V_H1-03/D6-19/J_H4/V_LκO12/2/J_Lκ1/κ2 (Set VIb).

127. (New) The method of claim 117, wherein the light chain antibody gene and the heavy chain antibody gene is V_H1-18/D6-19/J_H4/V_LκO12/2/J_Lκ1 (Set VIc).

128. (New) The method of claim 117, wherein the light chain antibody gene and the heavy chain antibody gene is V_H1-46/D6-19/J_H4 (Set VID).

129. (New) The method of claim 117, wherein the light chain antibody gene and the heavy chain antibody gene is V_H5-51/D6-19/J_H4/V_LκO12/2/J_Lκ2 (Set VIe).

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130. (New) The method of claim 117, wherein the light chain antibody gene and the heavy chain antibody gene is V_H1-69/D3-3/J_H4/V_LκA19/J_Lκ4 (Set VII).

131. (New) The method of claim 117, wherein the light chain antibody gene and the heavy chain antibody gene is V_H1-69/D2-2/J_H6/V_LκL6/2/J_Lκ3 (Set VIII).

132. (New) The method of claim 117, wherein the patient is pre-leukemic.

133. (New) The method of claim 117, wherein the patient is in an early leukemic state.

134. (New) The method of claim 117, wherein the patient is in a frank leukemic state.

135. (New) The method of claim 117, wherein the B-CLL cells from blood of the patient are evaluated.